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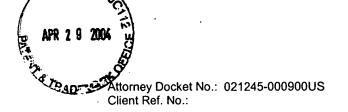
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Title of Invention

As the below named inventor(s), I/we declare that:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

SEARCH-EFFICIENT MIMO TRELLIS DECODER

This declaration is directed to:				
	The attached application, or	,		
\boxtimes	Application No. 10/643,774, filed on August 18, 2003,			
	as amended on (if applicable);			
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;				
I/we have reviewed and understand amendment specifically referred to a	I the contents of the above-identified application, including the claims, a above;	as amended by any		
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.				
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.				
FULL NAME OF INVENTOR(S	S) .			
FULL NAME OF INVENTOR(S	9/20	5/03		
	9/20	(
Inventor 1 James Gardn Signature:	Date: 9/29 Citizen of: United St	(
Inventor 1 James Gardn Signature:	Date: 9/29 Citizen of: United St	tates		
Inventor 1 James Gardn Signature: Vincent Know Signature:	Date: 9/29	tates		
Inventor 1 James Gardn Signature: Vincent Know Signature:	Date: 9/29 Citizen of: United State Wes Jones Date: 9/29 Citizen of: United State Citizen of: United State	tates tates tates		
Inventor 1 James Gardn Signature: Inventor 2 Vincent Know Signature: Inventor 3 Didier Johann	Date: 9/29	tates tates tates		
Inventor 1 Signature: Inventor 2 Vincent Know Signature: Inventor 3 Didier Johann Signature:	Date: 9/29	tates tates tates nds		

Attorney Docket No.: 021245-000900US Client Ref. No.:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Inven	tion S	EARCH-EFFICIENT	MIMO TRELLIS	DECODER	
As the below named inventor(s), I/we declare that:					
This declaration is	s directed to) :	,		
		The attached appli	ication, or		
	\boxtimes	Application No. 10	0/643,774, filed on	August 18, 2	2003, ·
		as amended o	on (if applica	ible);	
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;					
I/we have reviewed amendment specific			ove-identified applica	ation, including	the claims, as amended by any
material to natenta	ability as def between the	ined in 37 CFR 1.56. in:	cluding for continua	ition-in-part ap	all information known to me/us to be plications, material information which PCT International filing date of the
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.					
		2/0			
FULL NAME OF				Data	
Inventor 1	James Ga	rdner		Date:	
Signature:				Citizen of:	United States
Inventor 2	Vincent K	nowles Jones		Date:	
Signature:				Citizen of:	United States
Inventor 3	Didier Joh	annes Richard van Nee	9	Date:	October 2, 2003
Signature:	Indier J	Thannes Richard V	an Nec	Citizen of:	Netherlands
Inventor 4	Geert Arn	out Awater		Date:	October 3, 2003
Signature: Oyeest Amout Awater Citizen of: Netherlands					
☐ Additional inv	entors are be	ing named on addit	tional form(s) attache	ed hereto.	•

APR 2 9 2004

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/643,774
Filing Date	August 18, 2003
First Named Inventor	Gardner, James
Title	SEARCH-EFFICIENT MIMO TRELLIS DECODER
Art Unit	
Examiner Name	Unassigned
Attorney Docket Number	021245-000900US

I hereby ap	point:		···					
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OR Practition	oner(e) na	L med below:						
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		or agent(s) to pros Office connected	ecute the application therewith.	n identifie	d above, and to tra	ansact all	business ii	n the United States
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Telephone		(650) 326-2400		Fax	(650) 326-2422			
I am the:								
☐ Applic	ant/Invent	or.						
			erest. See 37 CFR : enclosed. (Form PT).			
		SIC	SNATURE of Applic	ant or A	ssignee of Reco	rd		
Name	VK Jon							
0:	Kice Pr	esident, DSP &	ASIC Design Eng	gineering	2		<u> </u>	
Signature	V~				Talanhana	(050)	47E 4000	
Date	10/8	inventors or assign	ees of record of the ent	ire interest	Telephone or their representati		175-1900 equired, Sub	mit multiple
forms if more th	nan one sign	nature is required, se		interest	- area representati			
I ⊠ *Total of	1 forms a	re submitted.						

PTO/SB/96 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031
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Attorney Docket No. 021245-000900US

STATEM	ENT UNDER 37 CFR 3.73	<u>(b)</u>
Applicant/Patent Owner: James Gardner et al.		
Application No./Patent No.:10/643,774	Filed/Issue Date: Aug	gust 18, 2003
Entitled: Search-Efficient MIMO Trellis Decoder		
_Airgo Networks, Inc, a	Corporation	
(Name of Assignee)	(Type of Assignee, e.g., corporation, p	partnership, university, government agency, etc.)
states that it is:		
1. 🛛 the assignee of the entire right, title	and interest; or	
2. an assignee of less than the entire The extent (by, percentage) of its or		
in the patent application/patent identified above l	y virtue of either:	
A. An assignment from the inventor(s) of the recorded in the United States Patent and thereof is attached.	patent application/patent identifie rademark Office at Reel, f	d above. The assignment was Frame, or for which a copy
OR		
B. A chain of title from the inventor(s), of the as shown below:	patent application/patent identifie	d above, to the current assignee
1. From:	To :	
The document was recorded in the UReel, Frame, or for whi		rk Office at
2. From:	То :	
The document was recorded in the UReel, Frame, or for whi		rk Office at
3. From:	To :	
The document was recorded in the UReel, Frame, or for whi		rk Office at
☐ Additional documents in the chain of	title are listed on a supplemental	sheet.
☐ Copies of assignments or other documents is [NOTE: A separate copy (i.e., the original assemble must be submitted to Assignment Division in recorded in the records of the USPTO. See Note 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	ignment document or a true copy accordance with 37 CFR Part 3, i	
The undersigned (whose title is supplied below)	s authorized to act on behalf of th	ne assignee.
10-8-03		VK Jones
Date	C\ \ Type	d or printed name
(650) 475-1900	_\J\L_/	
Telephone number	- /	Signature
		President, DSP & Design Engineering

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Title

Attorney Docket No.: 021245-000900US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, James Gardner of 132 Woodland Valley Drive, San Ramon, CA 94583; Vincent Knowles Jones of 2060 Seabrook Court, Redwood City, CA 94065; Didier Johannes Richard van Nee of Mauritslaan 57, 3454 XR De Meern, Netherlands and Geert Arnout Awater of Albrecht Thaerlaan 66, Utrecht, Netherlands, 3571 EH, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SEARCH-EFFICIENT MIMO TRELLIS DECODER

Filing Date:

August 18, 2003

Application No.:

10/643,774; and

WHEREAS, Airgo Networks, Inc., a corporation of the state of Delaware, located at 900 Arastradero Road, Palo Alto, CA, 94304, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Dated: 9/29/03

Dated: 9/29/03

James Gardner

Vincent Knowles Jones

Dated: Didier Johannes Richard van Nee

Dated: Geert Arnout Awater

60041705 v1

Attorney Docket No.: 021245-000900US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, James Gardner of 132 Woodland Valley Drive, San Ramon, CA 94583; Vincent Knowles Jones of 2060 Seabrook Court, Redwood City, CA 94065; Didier Johannes Richard van Nee of Mauritslaan 57, 3454 XR De Meern, Netherlands and Geert Arnout Awater of Albrecht Thaerlaan 66, 3571 EH Utrecht, Netherlands, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

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Filing Date:

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Application No.:

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated:	
	James Gardner
Dated:	
	Vincent Knowles Jones
Dated: October 2, 2003	Didier Johannes Rubard van Nee Didier Johannes Richard van Nee
Dated: October 3, 2003	Geert Arnout Awater Geert Arnout Awater
60041705 v1) Goote Almout Atvator